

Electrical Safe Work Distance Calculator

Convert and compare two recorded work distances within an approach-boundary worksheet without deriving a new work boundary.

Generated October 10, 2026

<https://www.elecatrix.com/testing-protection-grounding/electrical-safe-work-distance-calculator/>

Inputs

Input	Value	Unit
Method and version	worksheet-v1	
Distance record type	Work record	
Recorded reference distance	36	entered unit
Reference unit	in	
Entered distance	3	entered unit
Entered unit	ft	
Source reference	record-distance	

Results

Result	Value	Unit
Reference distance	36	in
Entered distance	36	in
Distance difference	N/A	in
Source record status	source_recorded	
Distance comparison status	entered_values_comparable	

Calculation details

Detail	Value	Unit
Calculation basis	The mode converts two recorded distances to inches and subtracts the reference distance from the entered distance.	

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Review boundary

Mode comparison only; this does not output a safe work distance or determine access, qualification, or compliance.

Formulas

reference distance in = reference distance converted to inches

entered distance in = entered distance converted to inches

distance difference = entered distance in - reference distance in

distance comparison status = entered values comparable when the source record is present

Warnings and limitations

Review worksheet only; it does not output a safe work distance or determine access, qualification, or compliance.